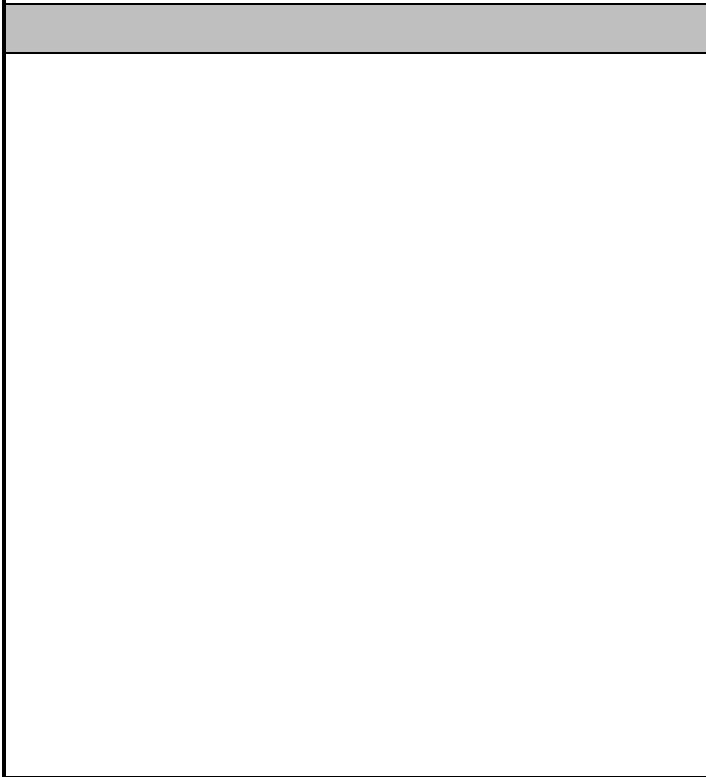
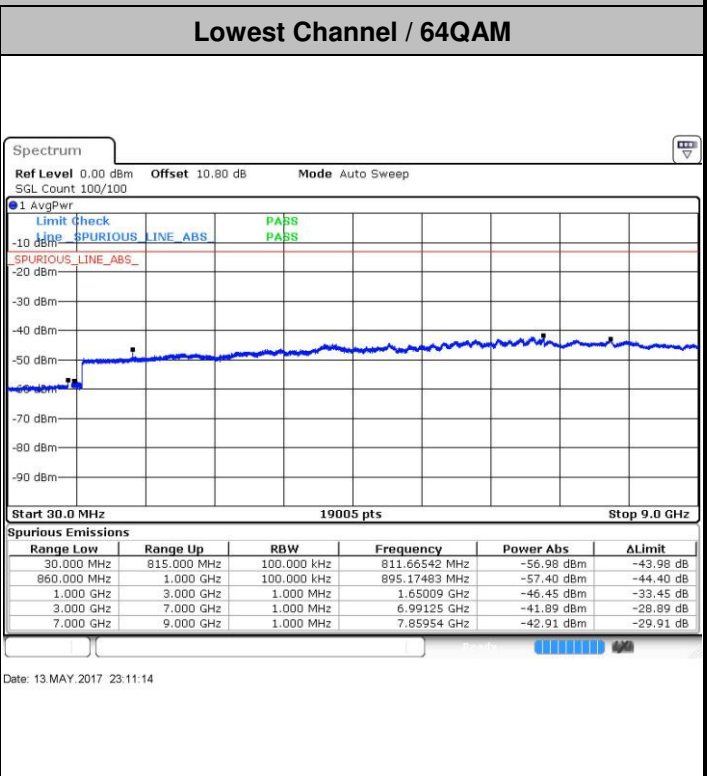
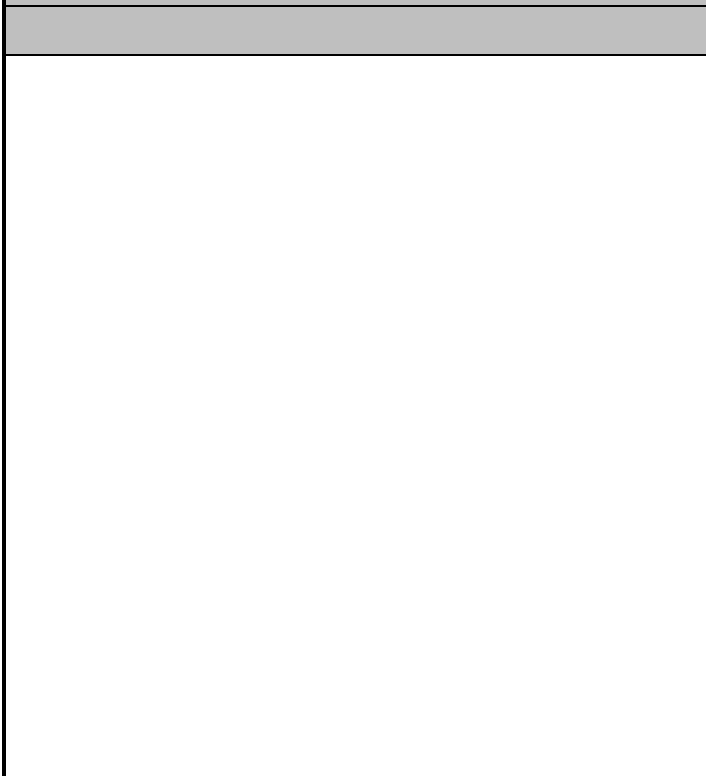
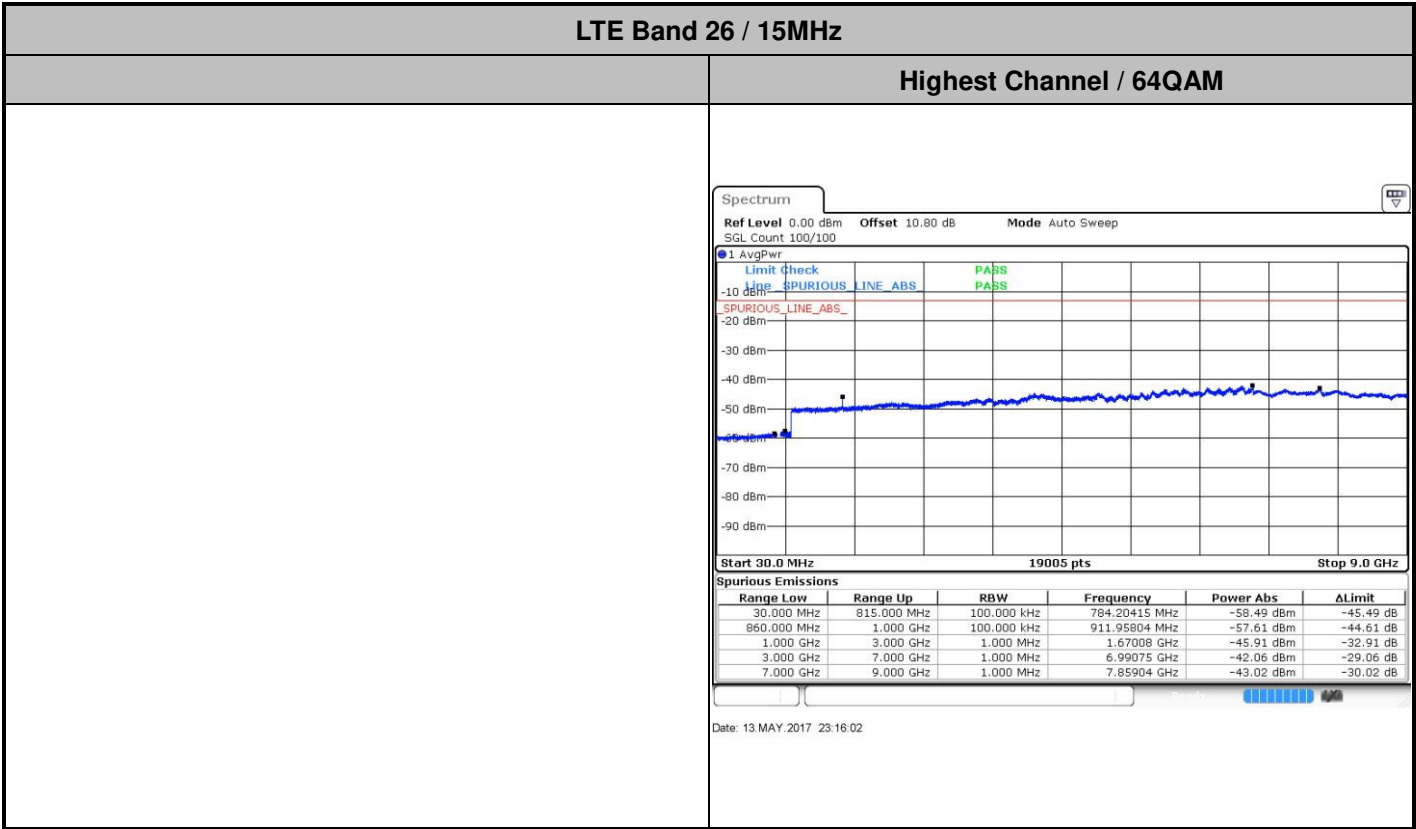




LTE Band 26 / 15MHz







Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0065	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0072	
-20	Normal Voltage	0.0088	
-30	Normal Voltage	0.0086	
20	Maximum Voltage	0.0024	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

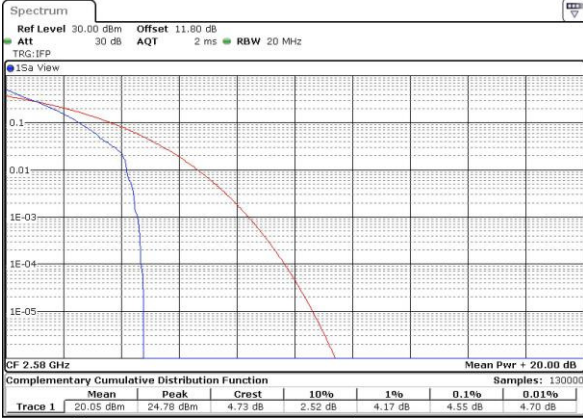
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.55	4.99	5.57	6	PASS
Middle CH	4.7	4.99	5.3	5.97	
Highest CH	4.72	4.99	5.33	5.97	
Mod.	-		64QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	-	-	5.1	5.86	PASS
Middle CH	-	-	5.33	5.86	
Highest CH	-	-	5.3	5.83	



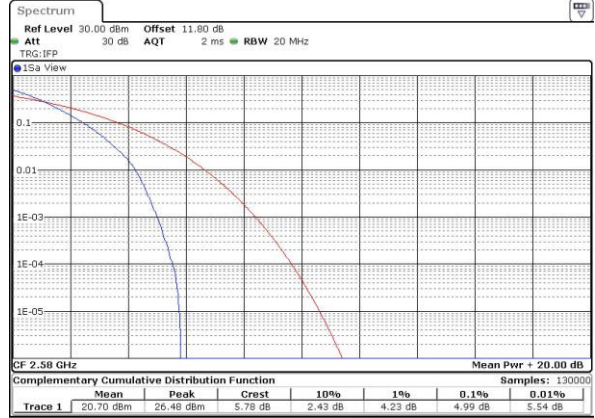
LTE Band 38 / 20MHz / QPSK

Lowest Channel / 1RB



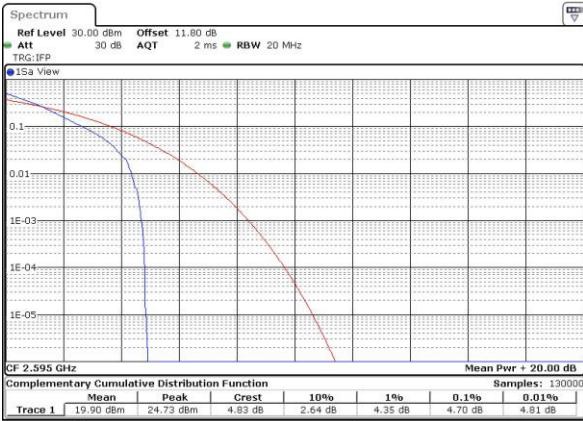
Date: 12.MAY.2017 10:11:05

Lowest Channel / Full RB



Date: 12.MAY.2017 10:11:20

Middle Channel / 1RB



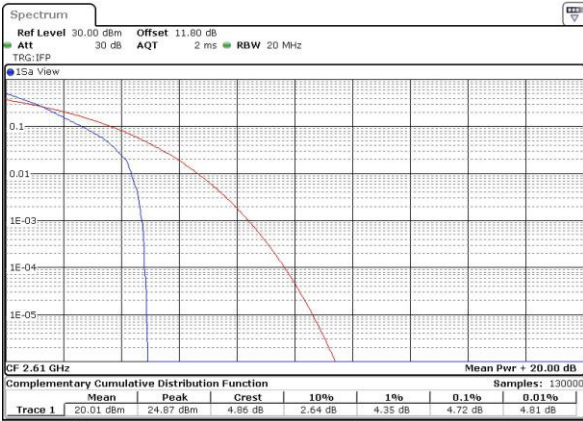
Date: 12.MAY.2017 10:11:34

Middle Channel / Full RB



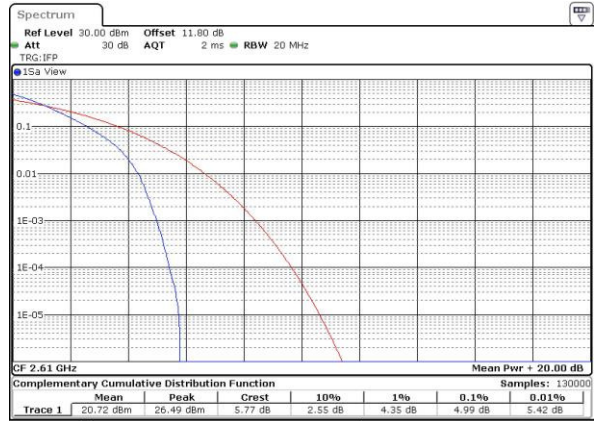
Date: 12.MAY.2017 10:11:47

Highest Channel / 1RB



Date: 12.MAY.2017 10:12:02

Highest Channel / Full RB

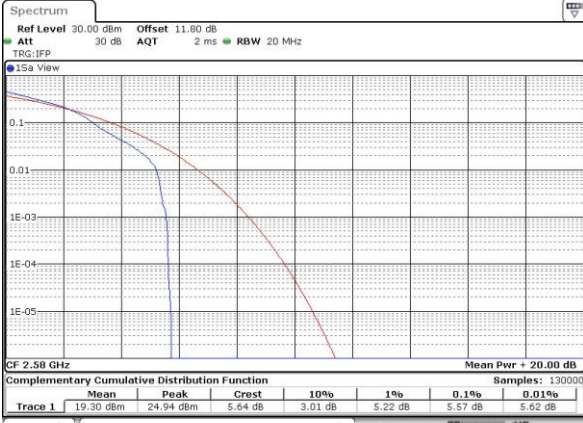


Date: 12.MAY.2017 10:12:16



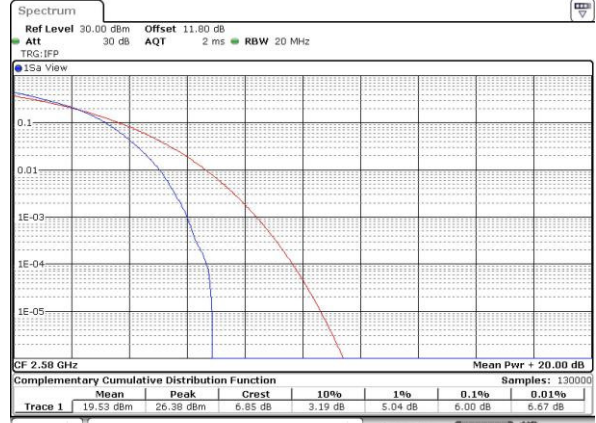
LTE Band 38 / 20MHz / 16QAM

Lowest Channel / 1RB



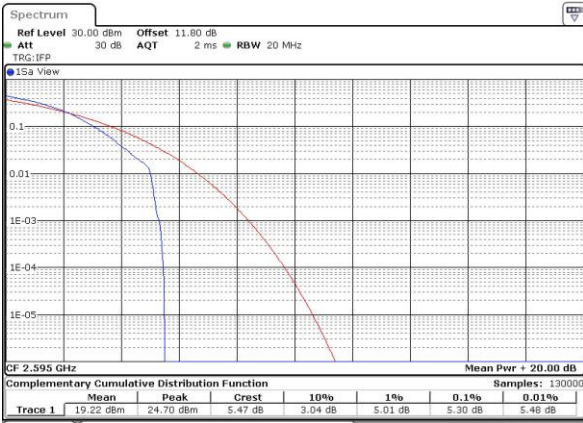
Date: 12.MAY.2017 10:03:14

Lowest Channel / Full RB



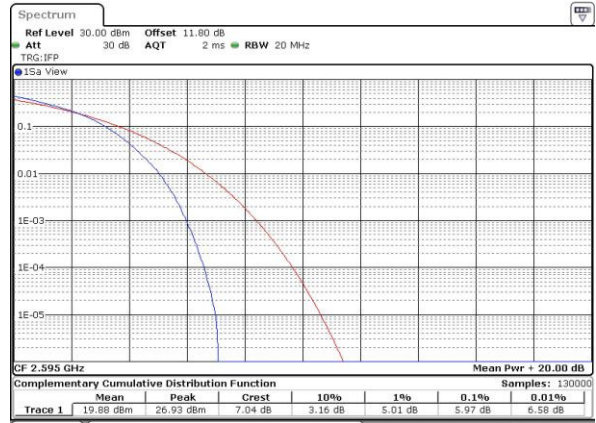
Date: 12.MAY.2017 10:09:05

Middle Channel / 1RB



Date: 12.MAY.2017 10:09:52

Middle Channel / Full RB



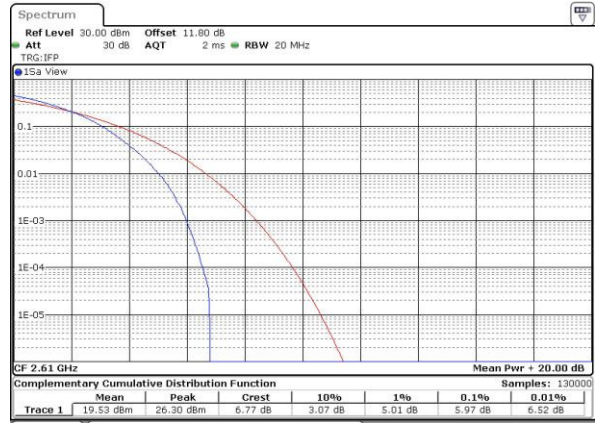
Date: 12.MAY.2017 10:10:05

Highest Channel / 1RB



Date: 12.MAY.2017 10:10:19

Highest Channel / Full RB

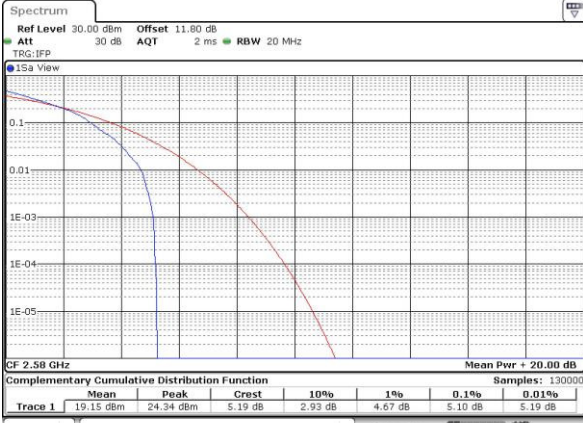


Date: 12.MAY.2017 10:10:49



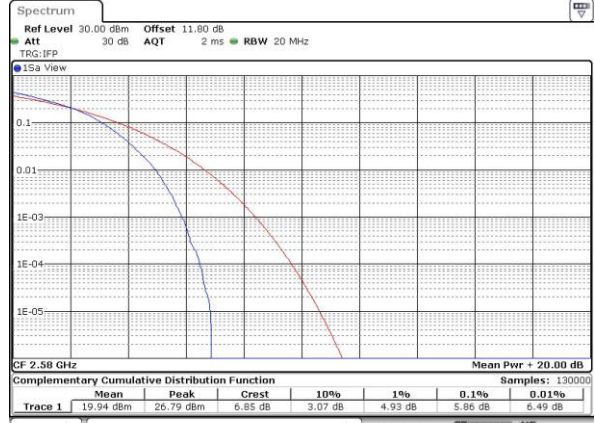
LTE Band 38 / 20MHz / 64QAM

Lowest Channel / 1RB



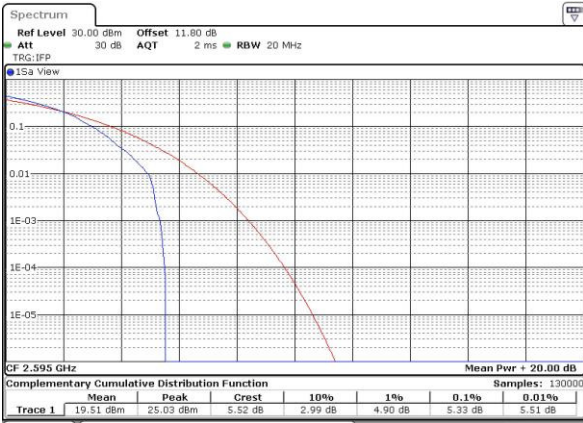
Date: 13 MAY 2017 22:19:52

Lowest Channel / Full RB



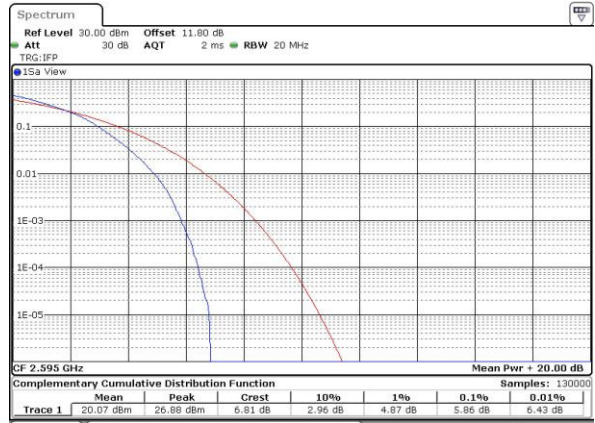
Date: 13 MAY 2017 22:20:10

Middle Channel / 1RB



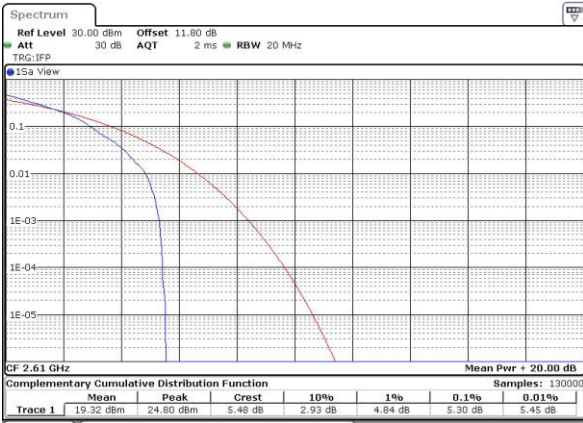
Date: 13 MAY 2017 22:21:01

Middle Channel / Full RB



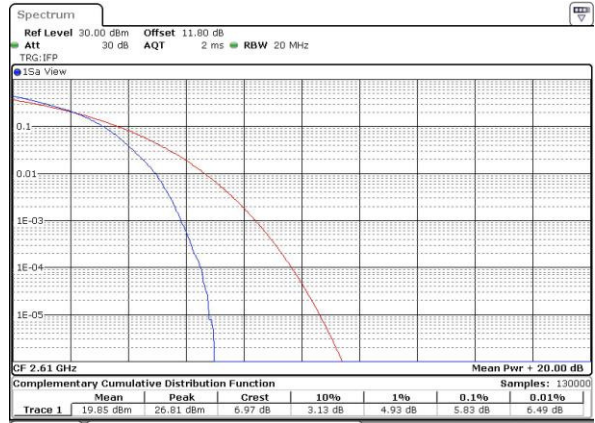
Date: 13 MAY 2017 22:21:29

Highest Channel / 1RB



Date: 13 MAY 2017 22:21:51

Highest Channel / Full RB



Date: 13 MAY 2017 22:22:08



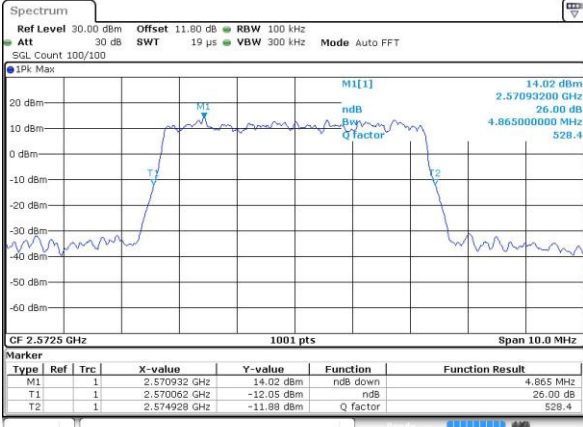
26dB Bandwidth

Mode	LTE Band 38 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.87	4.88	9.89	9.61	14.30	14.15	20.42	20.10
Middle CH	-	-	-	-	4.94	4.83	9.63	9.61	14.54	14.27	20.14	20.02
Highest CH	-	-	-	-	4.92	4.80	9.71	9.73	14.18	14.33	19.90	20.10
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.92	-	9.71	-	14.66	-	20.10
Middle CH	-	-	-	-	-	4.88	-	9.63	-	14.36	-	20.34
Highest CH	-	-	-	-	-	4.85	-	9.63	-	14.51	-	20.06



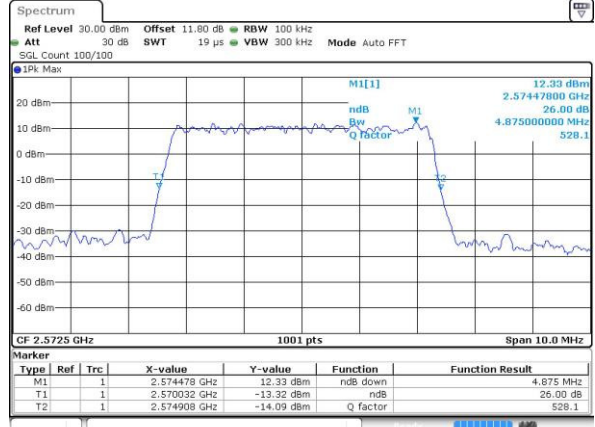
LTE Band 38

Lowest Channel / 5MHz / QPSK



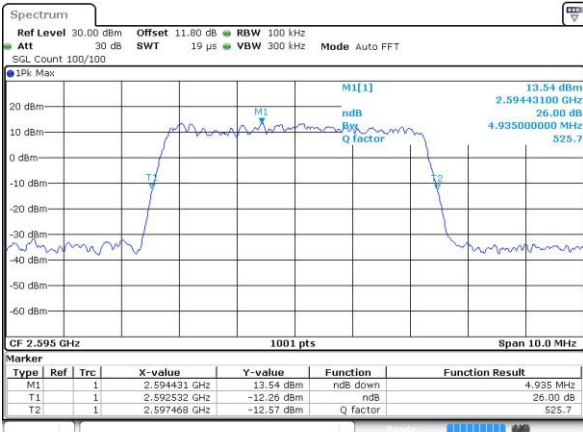
Date: 12.MAY.2017 09:53:19

Lowest Channel / 5MHz / 16QAM



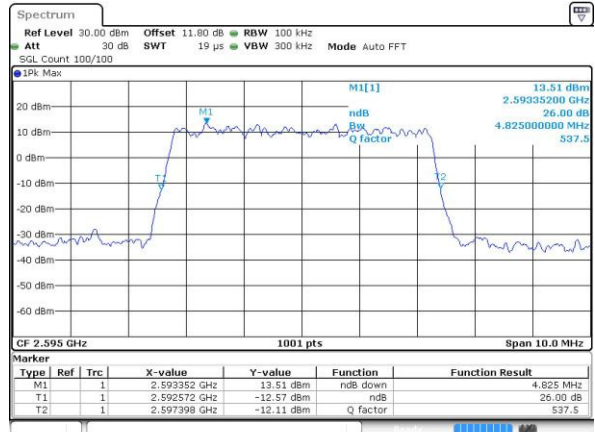
Date: 12.MAY.2017 09:53:30

Middle Channel / 5MHz / QPSK



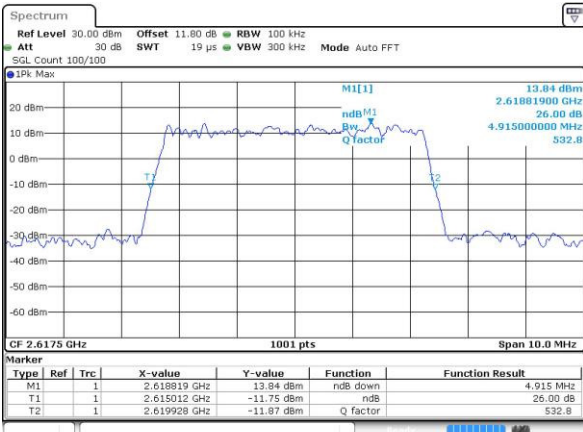
Date: 12.MAY.2017 09:54:01

Middle Channel / 5MHz / 16QAM



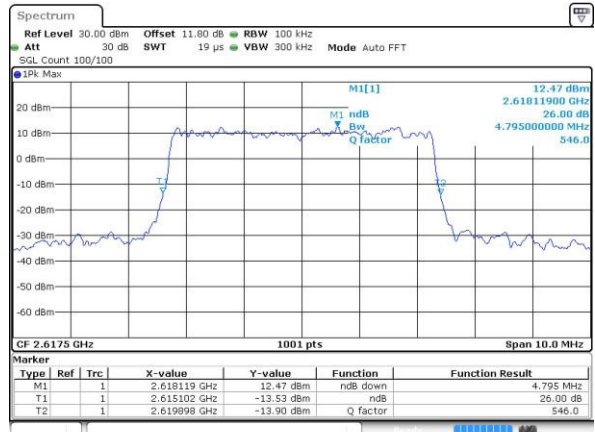
Date: 12.MAY.2017 09:54:11

Highest Channel / 5MHz / QPSK



Date: 12.MAY.2017 09:54:42

Highest Channel / 5MHz / 16QAM

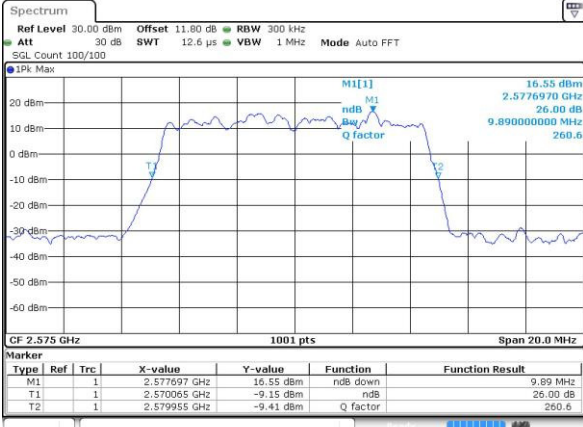


Date: 12.MAY.2017 09:54:53



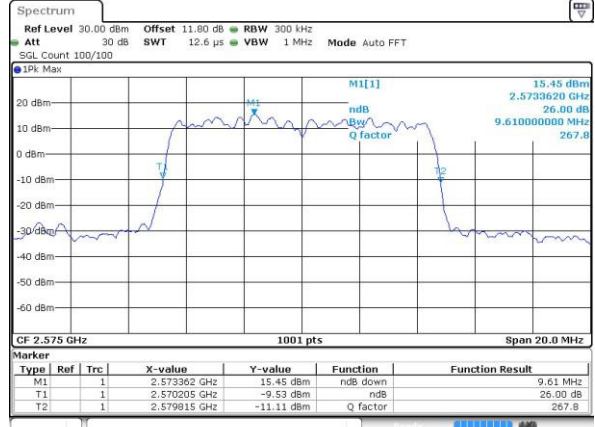
LTE Band 38

Lowest Channel / 10MHz / QPSK



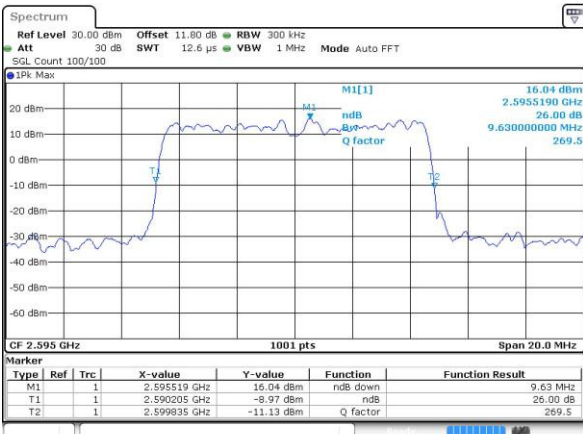
Date: 12 MAY 2017 09:55:24

Lowest Channel / 10MHz / 16QAM



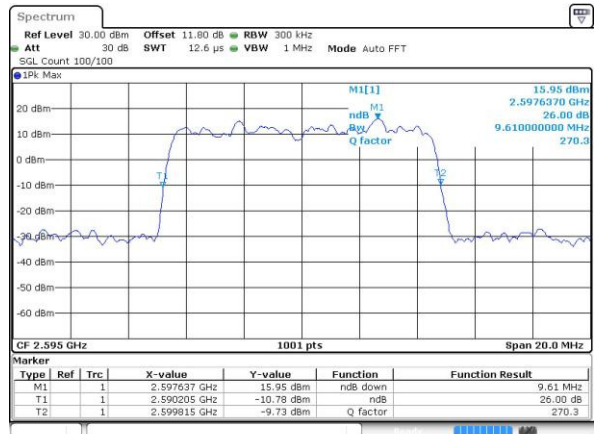
Date: 12 MAY 2017 09:55:34

Middle Channel / 10MHz / QPSK



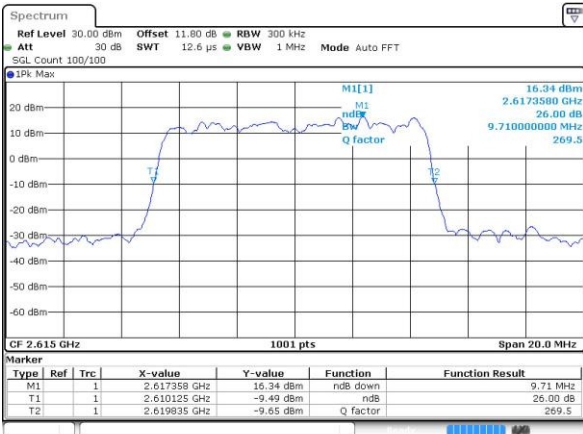
Date: 12 MAY 2017 09:56:05

Middle Channel / 10MHz / 16QAM



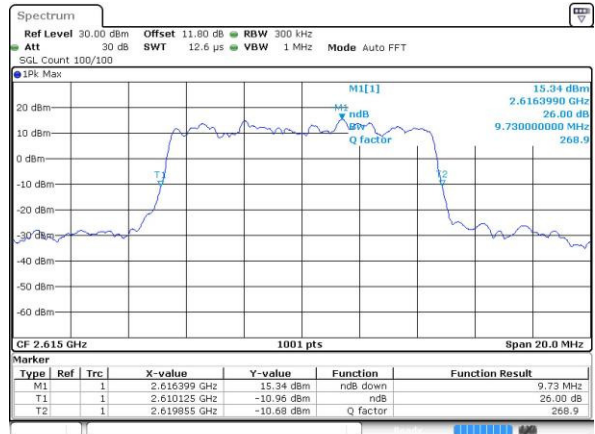
Date: 12 MAY 2017 09:56:16

Highest Channel / 10MHz / QPSK



Date: 12 MAY 2017 09:56:47

Highest Channel / 10MHz / 16QAM

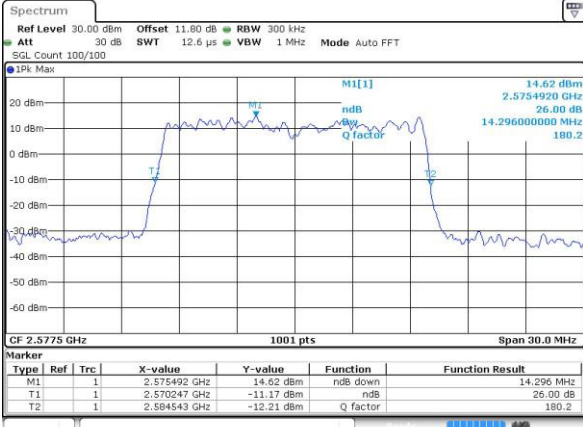


Date: 12 MAY 2017 09:56:57



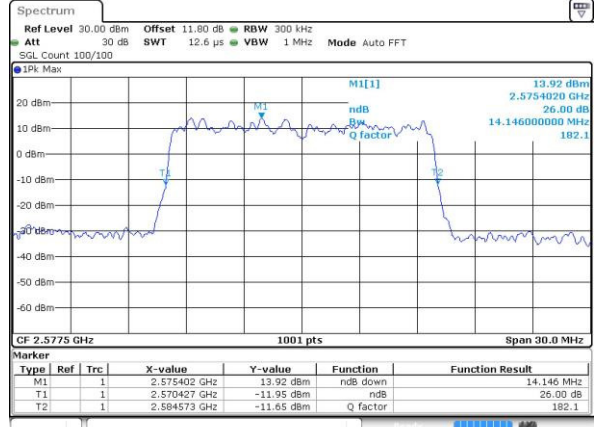
LTE Band 38

Lowest Channel / 15MHz / QPSK



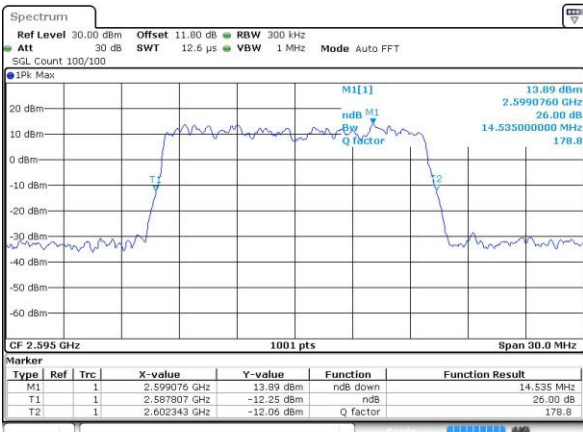
Date: 12.MAY.2017 09:57:28

Lowest Channel / 15MHz / 16QAM



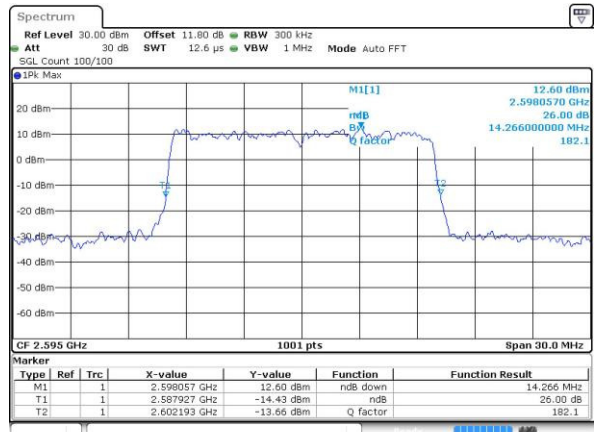
Date: 12.MAY.2017 09:57:39

Middle Channel / 15MHz / QPSK



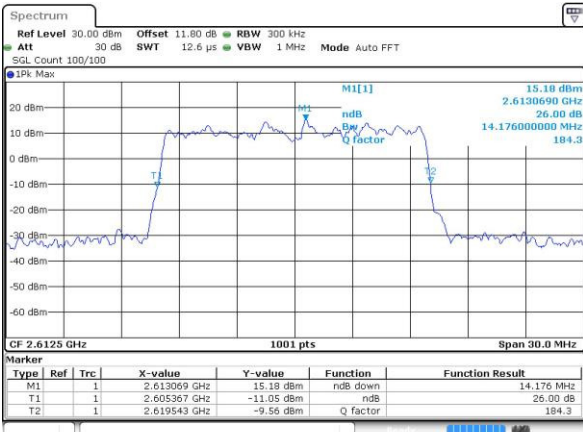
Date: 12.MAY.2017 09:58:10

Middle Channel / 15MHz / 16QAM



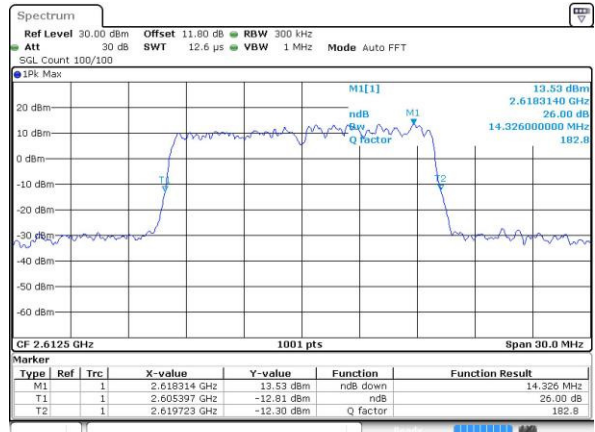
Date: 12.MAY.2017 09:58:20

Highest Channel / 15MHz / QPSK



Date: 12.MAY.2017 09:58:51

Highest Channel / 15MHz / 16QAM

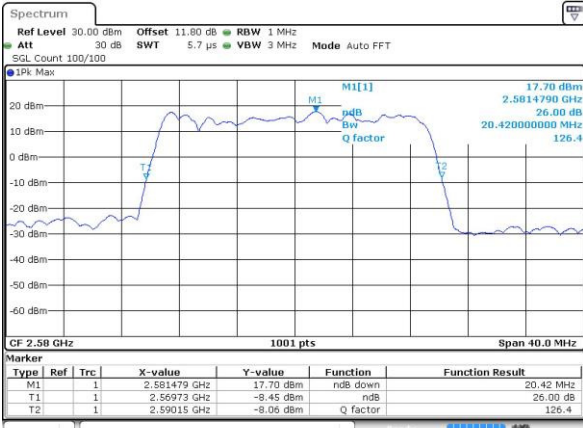


Date: 12.MAY.2017 09:59:02



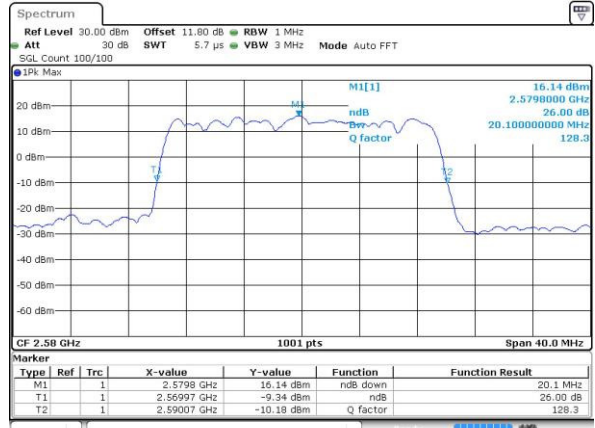
LTE Band 38

Lowest Channel / 20MHz / QPSK



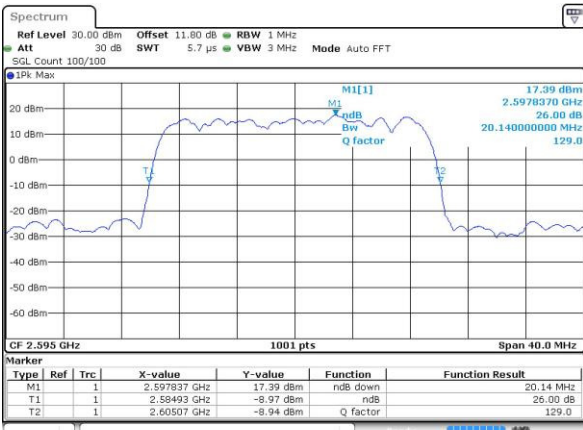
Date: 12 MAY 2017 09:59:33

Lowest Channel / 20MHz / 16QAM



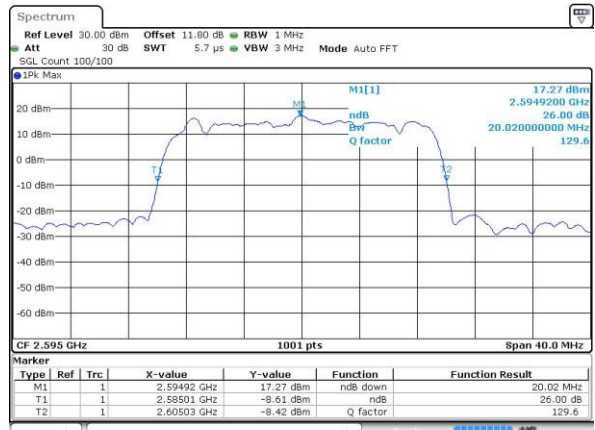
Date: 12 MAY 2017 09:59:43

Middle Channel / 20MHz / QPSK



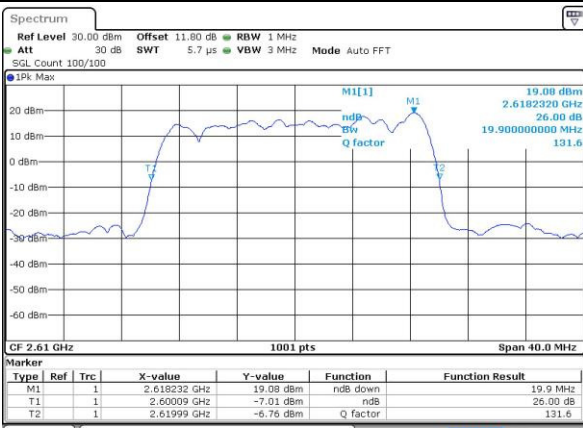
Date: 12 MAY 2017 10:00:14

Middle Channel / 20MHz / 16QAM



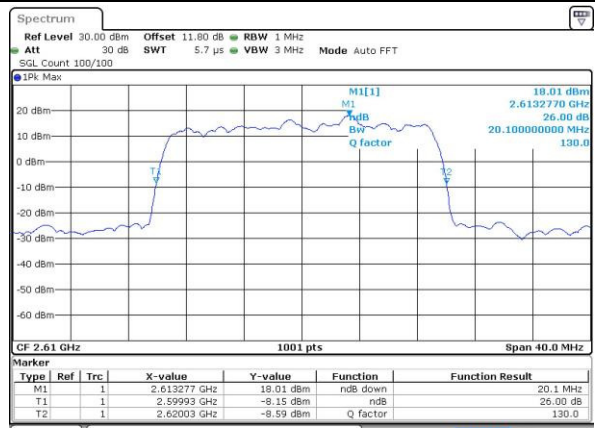
Date: 12 MAY 2017 10:00:25

Highest Channel / 20MHz / QPSK



Date: 12 MAY 2017 10:00:56

Highest Channel / 20MHz / 16QAM

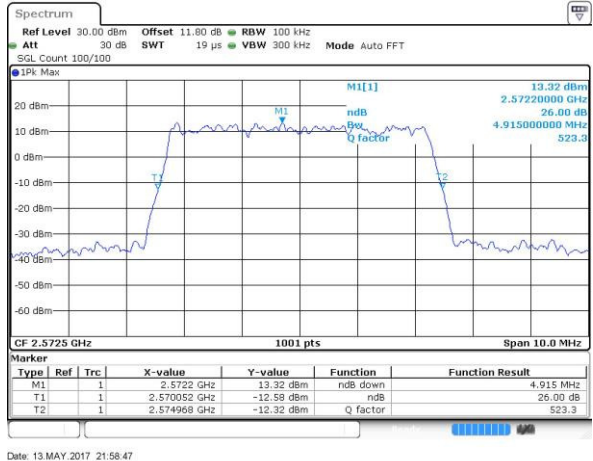


Date: 12 MAY 2017 10:01:06

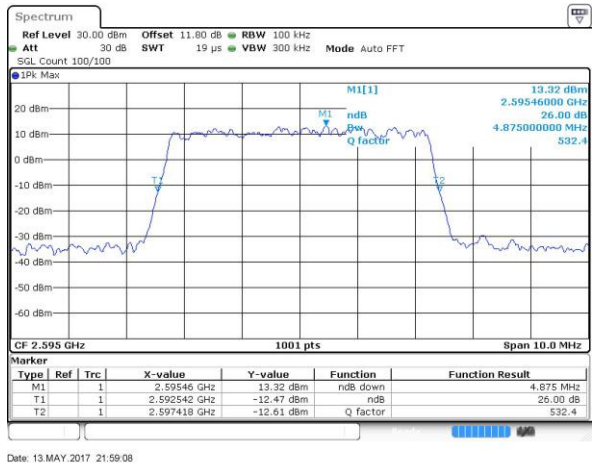


LTE Band 38

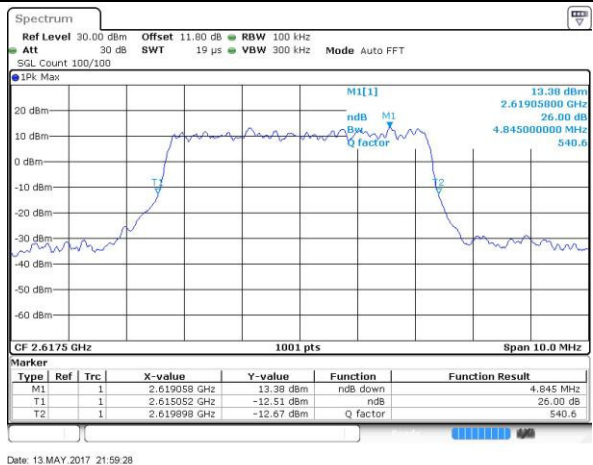
Lowest Channel / 5MHz / 64QAM



Middle Channel / 5MHz / 64QAM



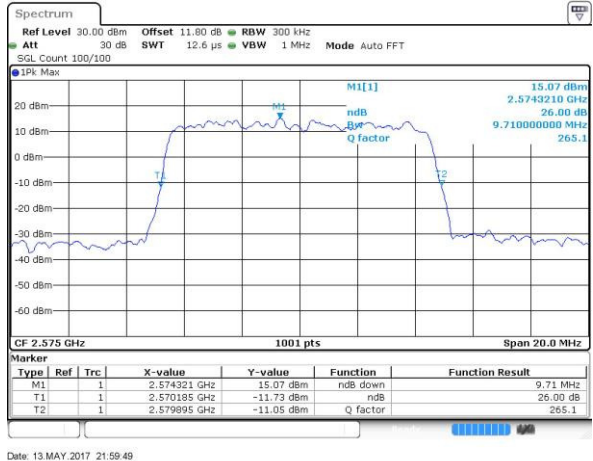
Highest Channel / 5MHz / 64QAM





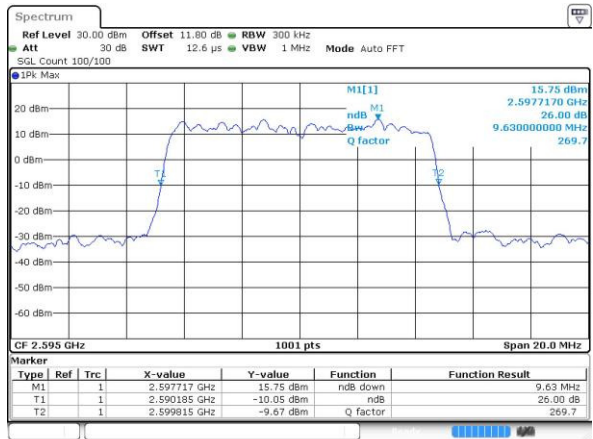
LTE Band 38

Lowest Channel / 10MHz / 64QAM



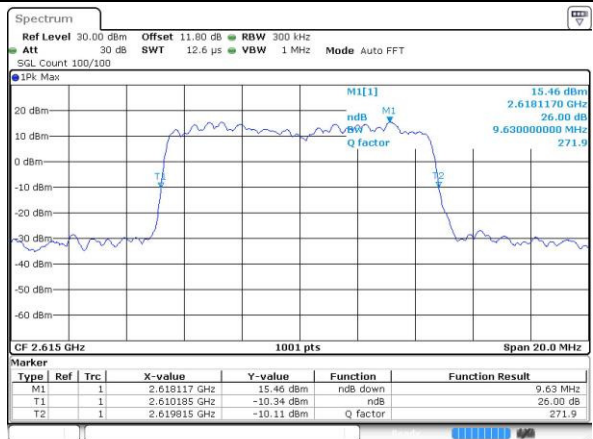
Date: 13 MAY 2017 21:59:49

Middle Channel / 10MHz / 64QAM



Date: 13 MAY 2017 22:00:10

Highest Channel / 10MHz / 64QAM

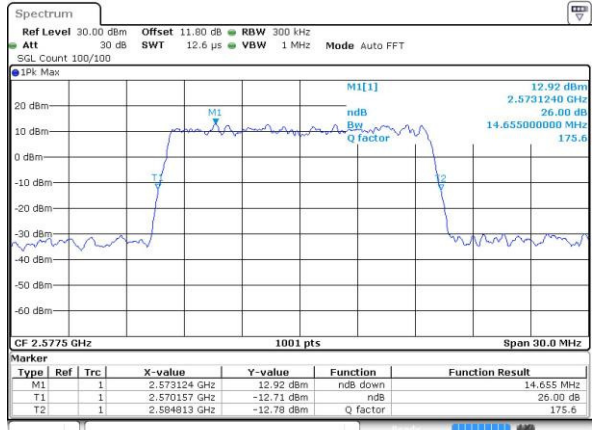


Date: 13 MAY 2017 22:00:31



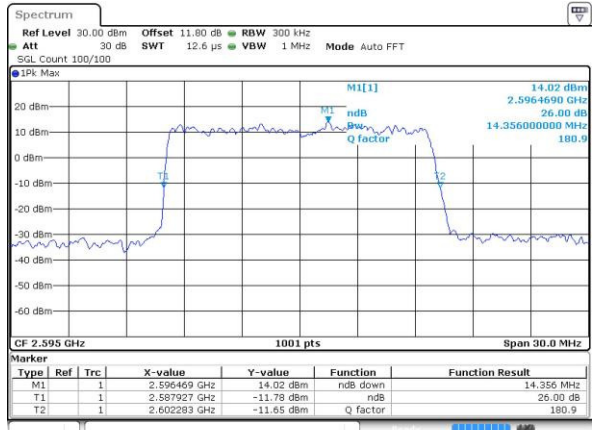
LTE Band 38

Lowest Channel / 15MHz / 64QAM



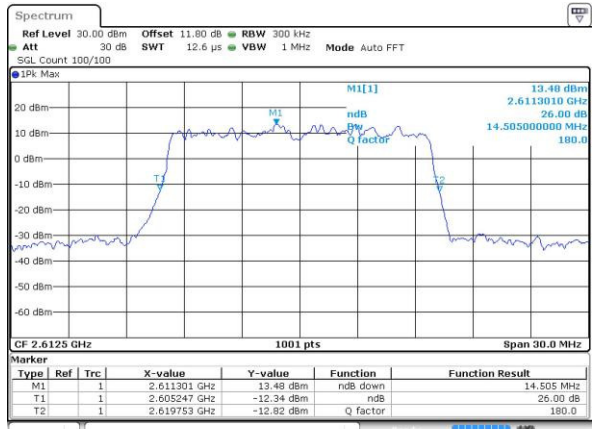
Date: 13 MAY 2017 22:00:51

Middle Channel / 15MHz / 64QAM



Date: 13 MAY 2017 22:01:12

Highest Channel / 15MHz / 64QAM

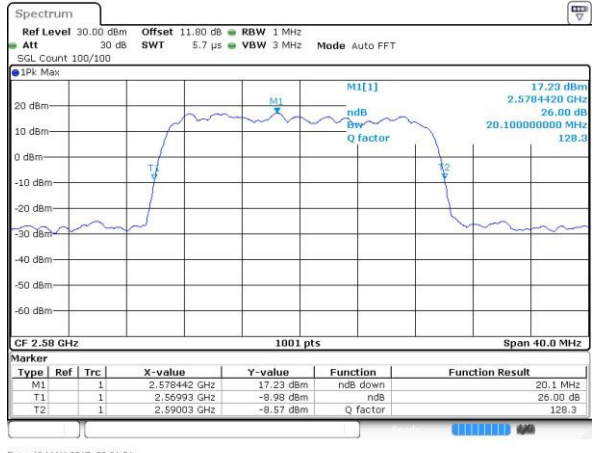


Date: 13 MAY 2017 22:01:33



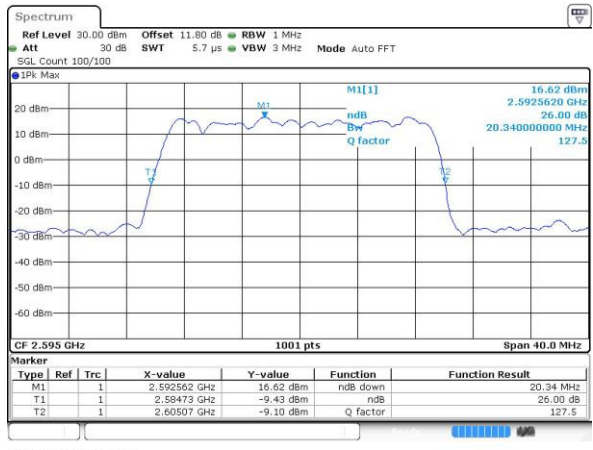
LTE Band 38

Lowest Channel / 20MHz / 64QAM



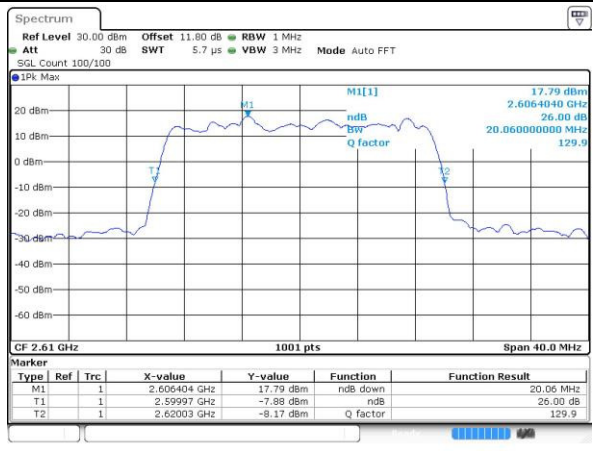
Date: 13 MAY 2017 22:01:54

Middle Channel / 20MHz / 64QAM



Date: 13 MAY 2017 22:02:14

Highest Channel / 20MHz / 64QAM



Date: 13 MAY 2017 22:19:36



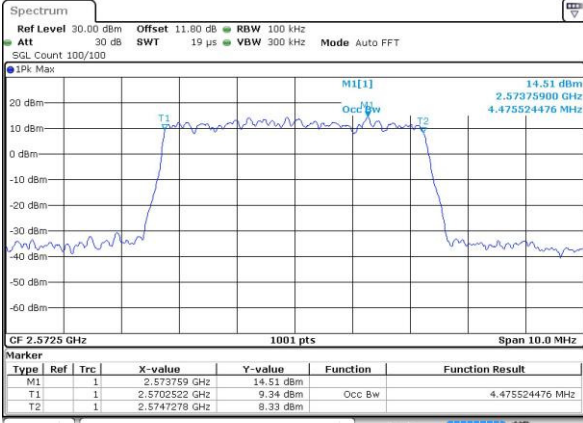
Occupied Bandwidth

Mode	LTE Band 38 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	4.48	4.5	8.95	9.03	13.34	13.4	18.42	18.38
Middle CH	-	-	-	-	4.47	4.49	8.99	8.99	13.43	13.43	18.34	18.1
Highest CH	-	-	-	-	4.5	4.47	9.03	9.03	13.4	13.49	18.3	18.38
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM	-	64QAM
Lowest CH	-	-	-	-	-	4.48	-	9.01	-	13.43	-	18.26
Middle CH	-	-	-	-	-	4.5	-	8.99	-	13.43	-	18.18
Highest CH	-	-	-	-	-	4.5	-	9.01	-	13.34	-	18.18



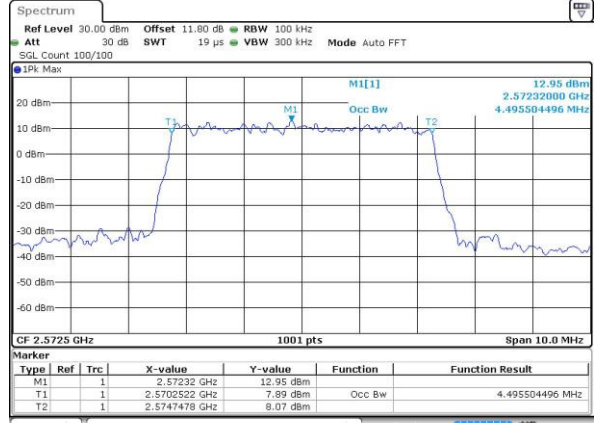
LTE Band 38

Lowest Channel / 5MHz / QPSK



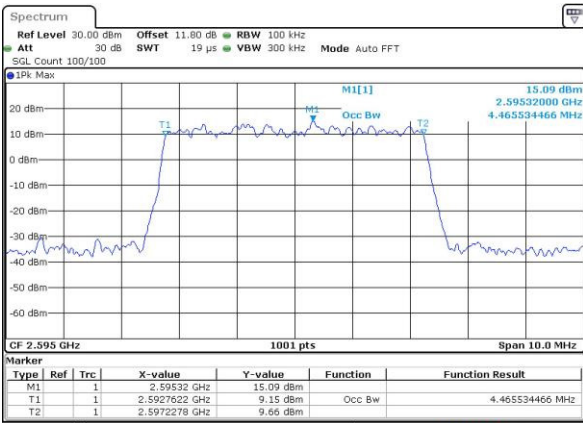
Date: 12 MAY 2017 09:52:59

Lowest Channel / 5MHz / 16QAM



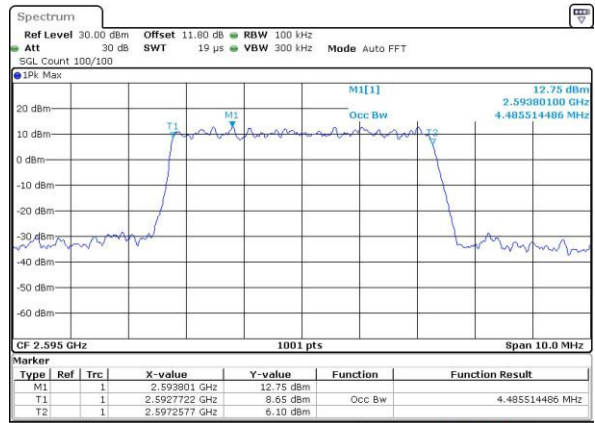
Date: 12 MAY 2017 09:53:09

Middle Channel / 5MHz / QPSK



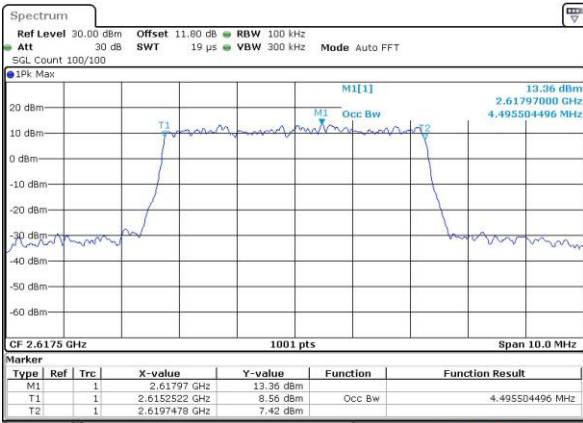
Date: 12 MAY 2017 09:53:40

Middle Channel / 5MHz / 16QAM



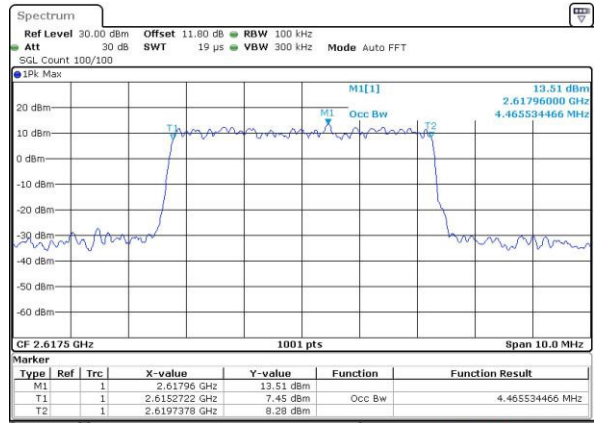
Date: 12 MAY 2017 09:53:50

Highest Channel / 5MHz / QPSK



Date: 12 MAY 2017 09:54:21

Highest Channel / 5MHz / 16QAM

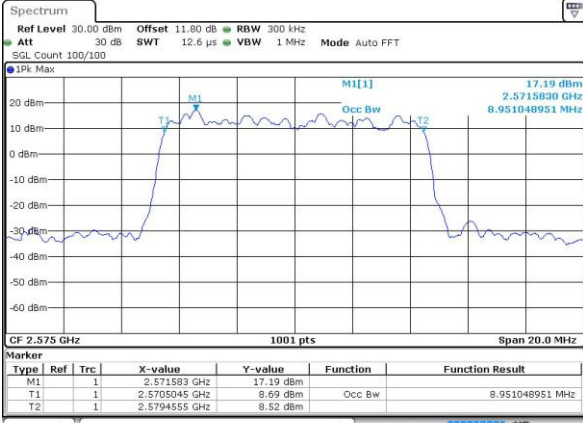


Date: 12 MAY 2017 09:54:32



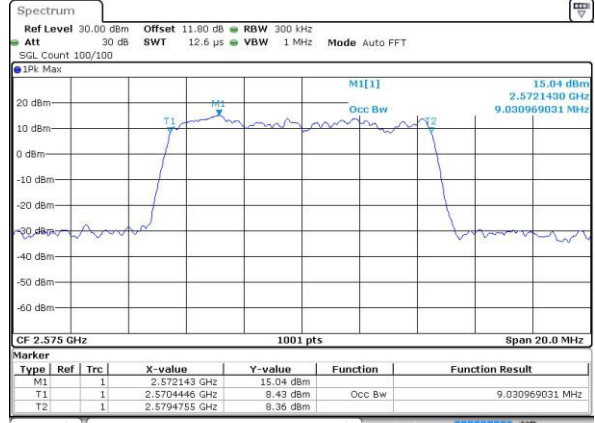
LTE Band 38

Lowest Channel / 10MHz / QPSK



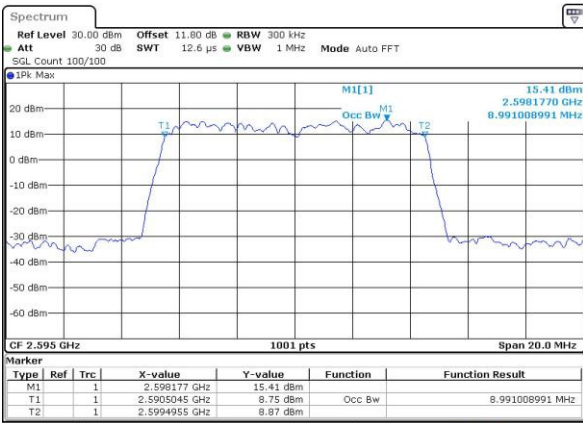
Date: 12.MAY.2017 09:55:03

Lowest Channel / 10MHz / 16QAM



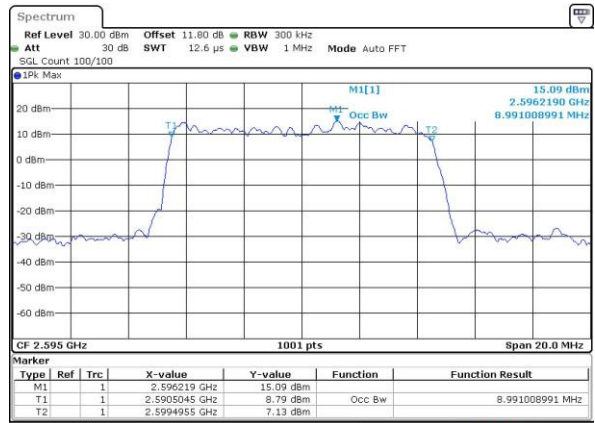
Date: 12.MAY.2017 09:55:14

Middle Channel / 10MHz / QPSK



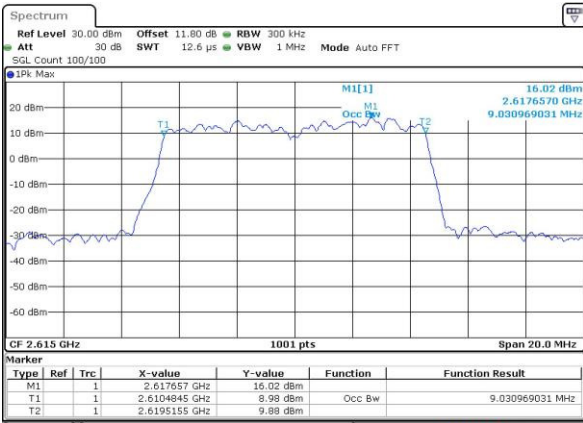
Date: 12.MAY.2017 09:55:45

Middle Channel / 10MHz / 16QAM



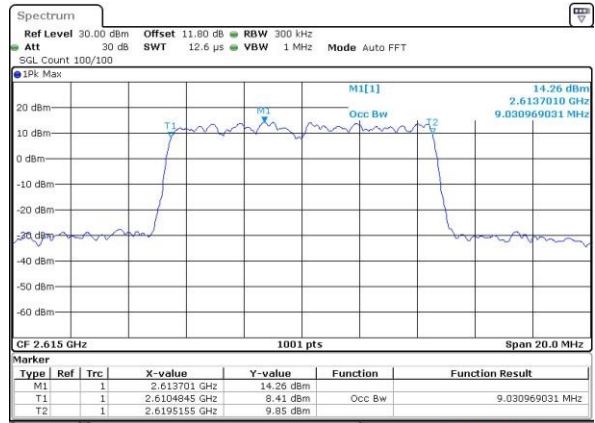
Date: 12.MAY.2017 09:55:55

Highest Channel / 10MHz / QPSK



Date: 12.MAY.2017 09:56:26

Highest Channel / 10MHz / 16QAM

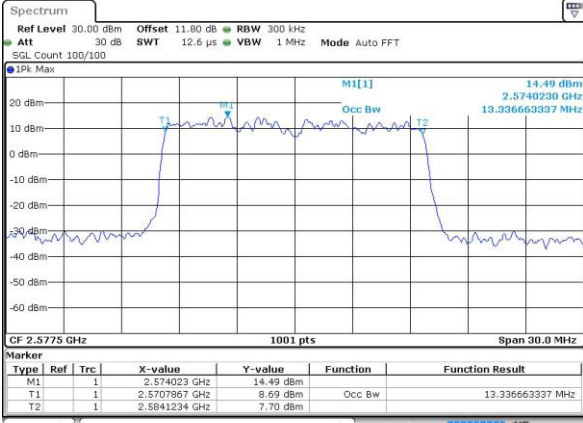


Date: 12.MAY.2017 09:56:37



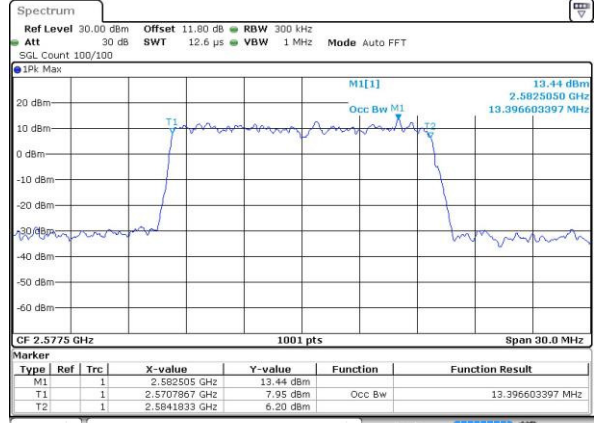
LTE Band 38

Lowest Channel / 15MHz / QPSK



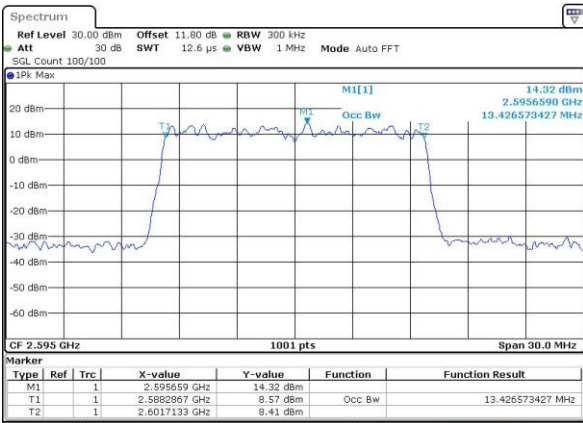
Date: 12.MAY.2017 09:57:08

Lowest Channel / 15MHz / 16QAM



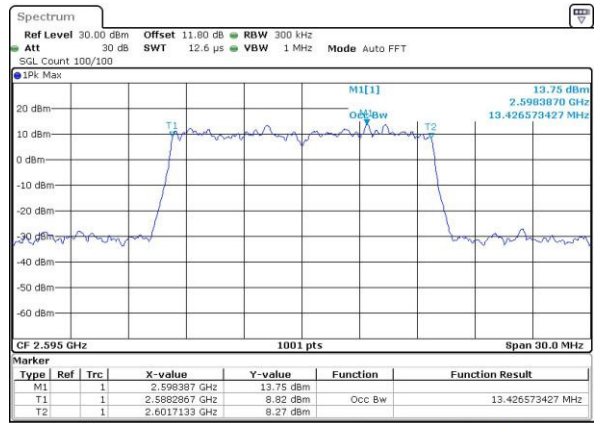
Date: 12.MAY.2017 09:57:18

Middle Channel / 15MHz / QPSK



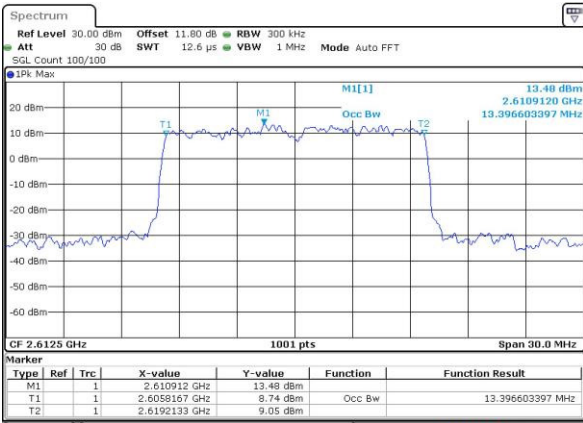
Date: 12.MAY.2017 09:57:49

Middle Channel / 15MHz / 16QAM



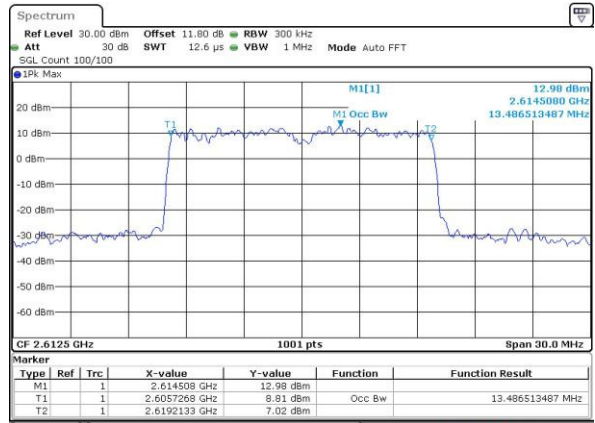
Date: 12.MAY.2017 09:57:59

Highest Channel / 15MHz / QPSK



Date: 12.MAY.2017 09:58:31

Highest Channel / 15MHz / 16QAM

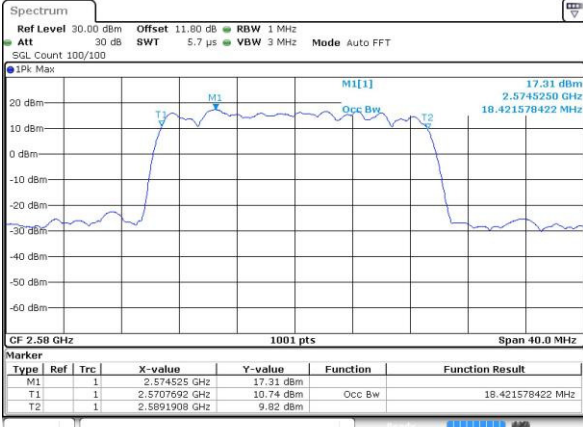


Date: 12.MAY.2017 09:58:41



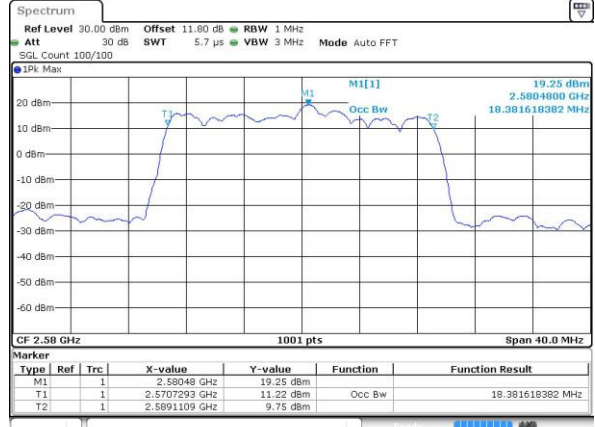
LTE Band 38

Lowest Channel / 20MHz / QPSK



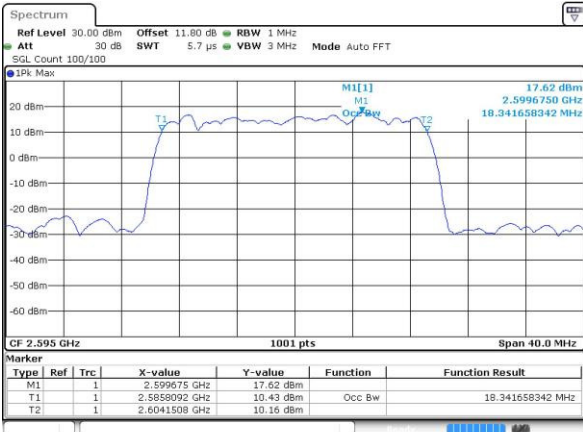
Date: 12.MAY.2017 09:59:12

Lowest Channel / 20MHz / 16QAM



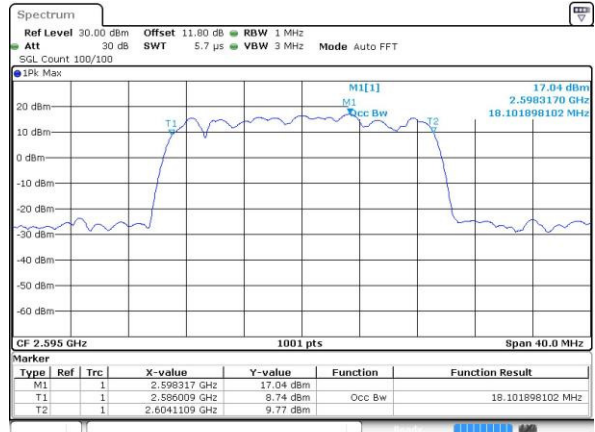
Date: 12.MAY.2017 09:59:23

Middle Channel / 20MHz / QPSK



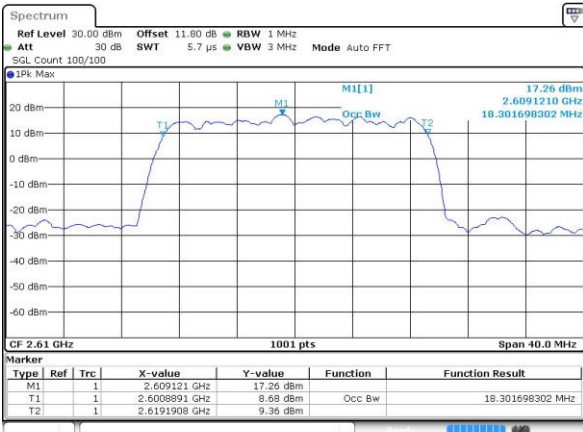
Date: 12.MAY.2017 09:59:54

Middle Channel / 20MHz / 16QAM



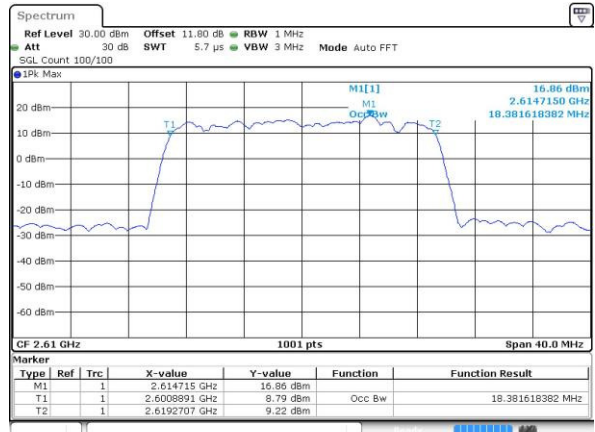
Date: 12.MAY.2017 10:00:04

Highest Channel / 20MHz / QPSK



Date: 12.MAY.2017 10:00:35

Highest Channel / 20MHz / 16QAM

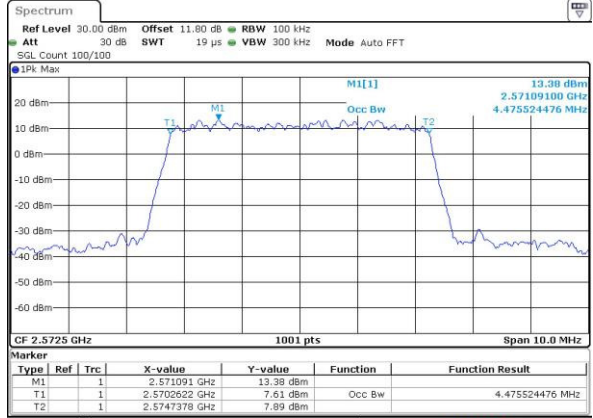


Date: 12.MAY.2017 10:00:46

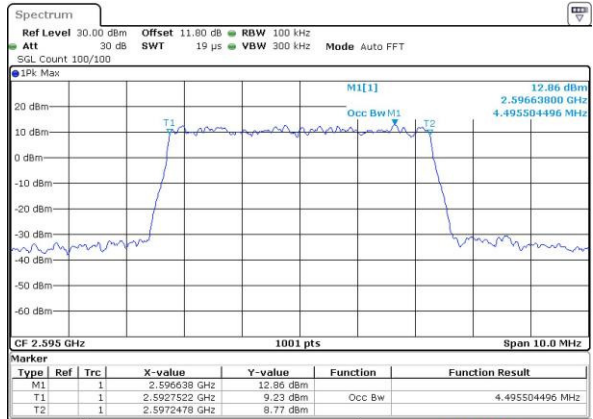


LTE Band 38

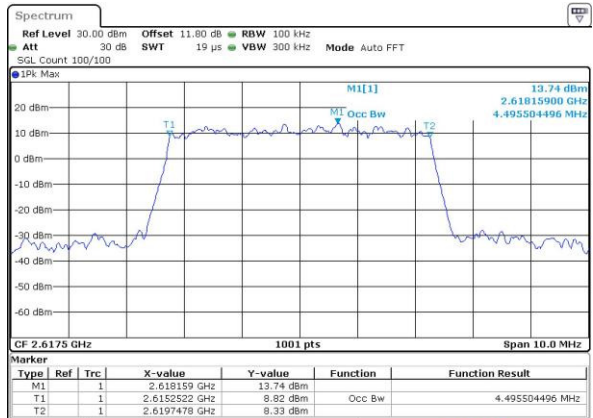
Lowest Channel / 5MHz / 64QAM



Middle Channel / 5MHz / 64QAM



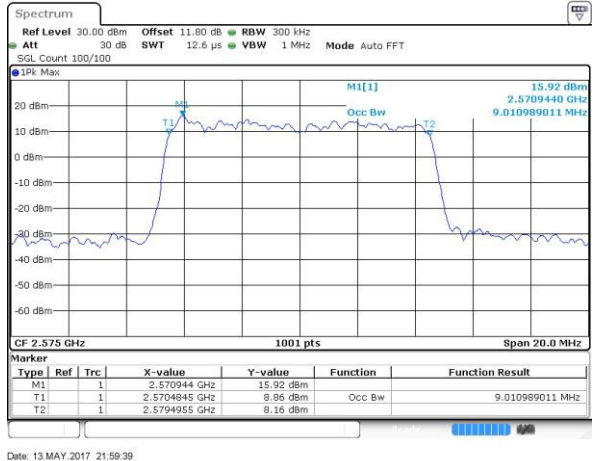
Highest Channel / 5MHz / 64QAM





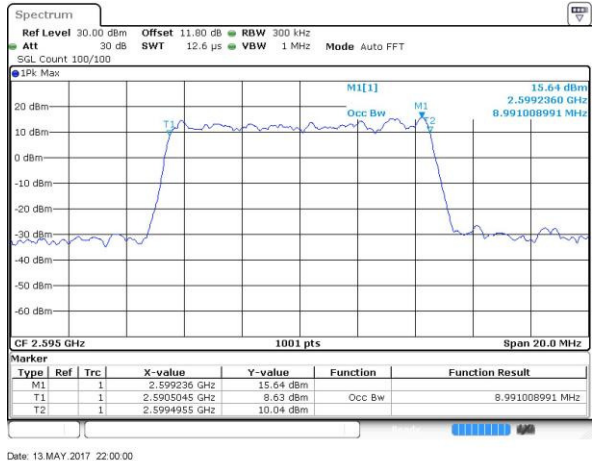
LTE Band 38

Lowest Channel / 10MHz / 64QAM



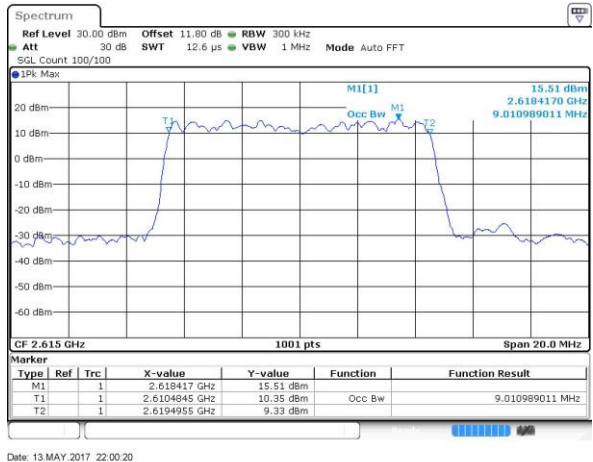
Date: 13 MAY 2017 21:59:39

Middle Channel / 10MHz / 64QAM



Date: 13 MAY 2017 22:00:00

Highest Channel / 10MHz / 64QAM

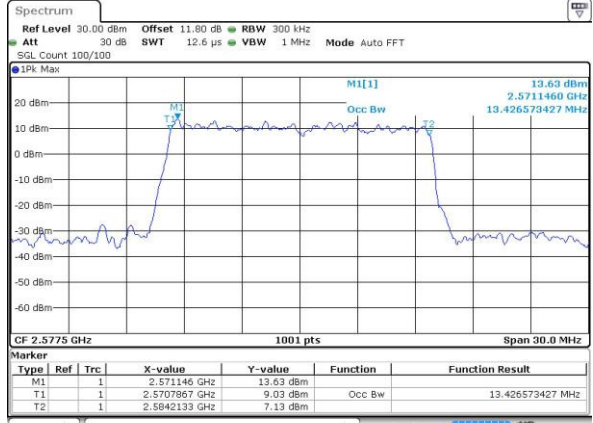


Date: 13 MAY 2017 22:00:20



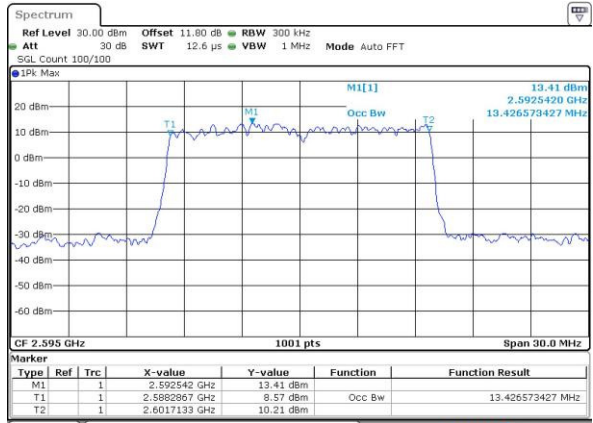
LTE Band 38

Lowest Channel / 15MHz / 64QAM



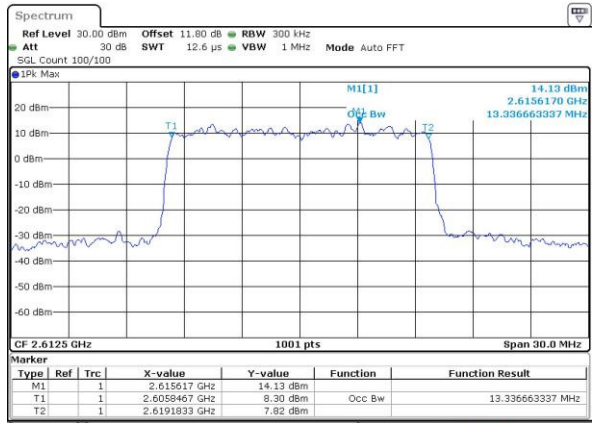
Date: 13 MAY 2017 22:00:41

Middle Channel / 15MHz / 64QAM



Date: 13 MAY 2017 22:01:02

Highest Channel / 15MHz / 64QAM

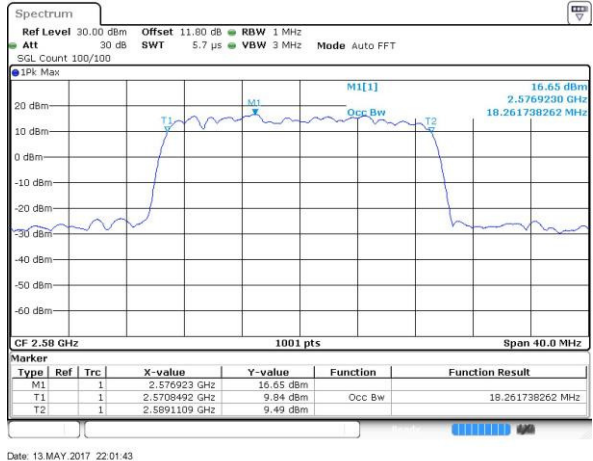


Date: 13 MAY 2017 22:01:23



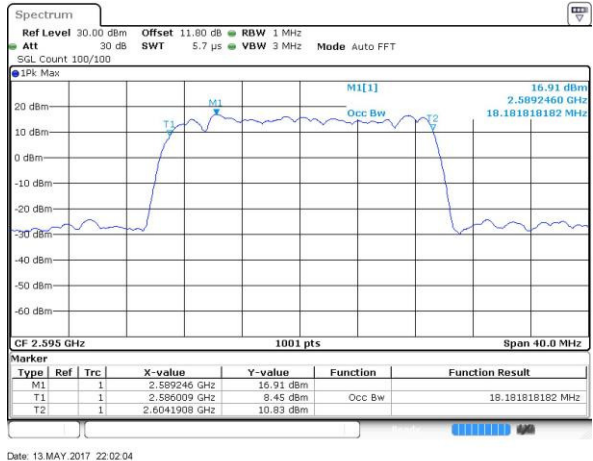
LTE Band 38

Lowest Channel / 20MHz / 64QAM



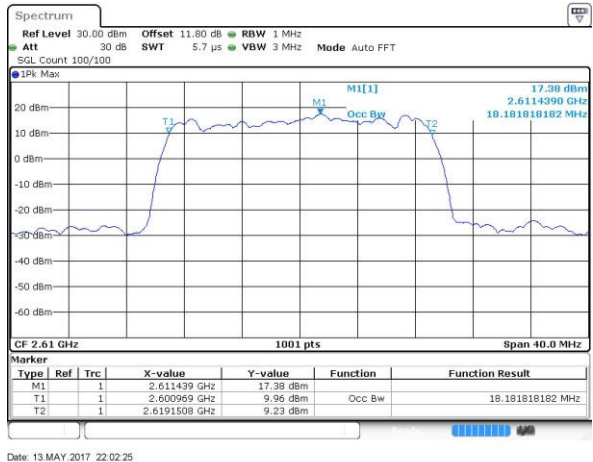
Date: 13 MAY 2017 22:01:43

Middle Channel / 20MHz / 64QAM



Date: 13 MAY 2017 22:02:04

Highest Channel / 20MHz / 64QAM



Date: 13 MAY 2017 22:02:25



Conducted Band Edge

